

Title (en)
CROSS-FADER APPARATUS, MIXER APPARATUS AND PROGRAM

Title (de)
ÜBERBLENDVORRICHTUNG, MISCHERVORRICHTUNG UND PROGRAMM

Title (fr)
APPAREIL DE FONDU ENCHAÎNÉ, ET APPAREIL ET PROGRAMME DE MÉLANGE

Publication
EP 2437516 A4 20121114 (EN)

Application
EP 09845131 A 20090525

Priority
JP 2009002289 W 20090525

Abstract (en)
[origin: EP2437516A1] A cross fader unit, a mixer and a program which can achieve various music expressions with a simple manipulation are provided. A cross fader unit CF of the invention has an adjustment device by band 50 that adjusts a mixing rate of the audio signal in each frequency band by moving a plurality of the manipulation members each of which is a manipulation member by frequency band divided into a plurality of bands of the audio signal on a corresponding line 52.

IPC 8 full level
G11B 27/038 (2006.01); **G11B 27/34** (2006.01); **H04H 60/04** (2008.01); **G06F 3/048** (2006.01); **H03G 5/02** (2006.01)

CPC (source: EP US)
G06F 3/04847 (2013.01 - EP US); **G11B 27/038** (2013.01 - EP US); **G11B 27/34** (2013.01 - EP US); **H03G 5/025** (2013.01 - EP US); **H04H 60/04** (2013.01 - EP US)

Citation (search report)

- [XY] WO 0111809 A1 20010215 - CAREY DANIEL [GB]
- [Y] WO 2008126130 A1 20081023 - PIONEER CORP [JP], et al & US 2010050106 A1 20100225 - KOIZUMI SHINYA [JP], et al
- [A] GB 2330753 A 19990428 - SONY UK LTD [GB]
- [A] US 2007022378 A1 20070125 - HAMADA ATSUO [JP]
- [A] EP 1942401 A1 20080709 - APPLE INC [US]
- [A] US 2008212798 A1 20080904 - ZARTARIAN MICHAEL G [US]
- See references of WO 2010137057A1

Cited by
US2013219336A1; US9547414B2; EP4005243B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2437516 A1 20120404; EP 2437516 A4 20121114; JP 4729654 B2 20110720; JP WO2010137057 A1 20121112; US 2012109348 A1 20120503; WO 2010137057 A1 20101202

DOCDB simple family (application)
EP 09845131 A 20090525; JP 2009002289 W 20090525; JP 2010547904 A 20090525; US 200913322521 A 20090525